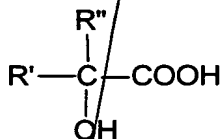


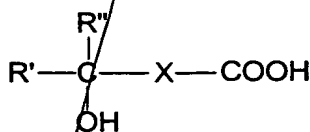
Patent Claims

1. Use of cosmetic and/or dermatological preparations in the form of emulsions, comprising

- 5 a) an effective amount of one or more  $\alpha$ -hydroxycarboxylic acids of the general formula



and/or an effective amount of one or more  $\beta$ -hydroxycarboxylic acids of the general formula



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where X is an aliphatic  $CH_2$  group, a cycloaliphatic CH group, an aromatic CH group or a  $CH(OH)$  group,

where in each case  $R'$  and  $R''$ , independently of one another, are chosen from the group

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- (a1) H,  
(a2) branched or unbranched  $C_{1-25}$ -alkyl,  
(a3) branched or unbranched  $C_{1-25}$ -alkyl substituted by one or more carboxyl groups and/or hydroxyl groups and/or aldehyde groups and/or oxo groups (keto groups),

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- (a4) phenyl,  
(a5) phenyl substituted by one or more carboxyl groups and/or hydroxyl groups and/or branched and/or unbranched  $C_{1-25}$ -alkyl groups,  
or where the  $\alpha$ -carbon atom of the  $\alpha$ -hydroxycarboxylic acid or the  $\beta$ -carbon atom of the  $\beta$ -hydroxycarboxylic acid, together with  $R'$  and X, forms an

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- (a6) unsubstituted cycloalkyl group having from 3 to 7 ring atoms or a  
(a7) cycloalkyl group having from 3 to 7 ring atoms and substituted by one or more carboxyl groups and/or hydroxyl groups and/or oxo groups (keto groups) and/or branched and/or unbranched  $C_{1-25}$ -alkyl groups, and

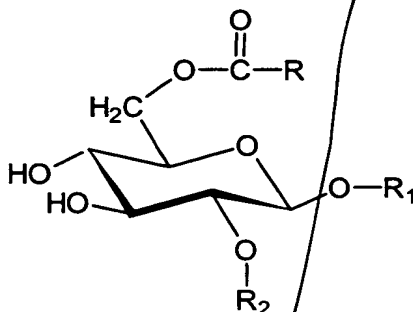
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where the  $\alpha$ -hydroxycarboxylic acid or the  $\alpha$ -hydroxycarboxylic acids or the  $\beta$ -hydroxycarboxylic acid or the  $\beta$ -hydroxycarboxylic acids can optionally be in the form of their physiologically compatible salts and/or ethyl esters and/or methyl esters

and

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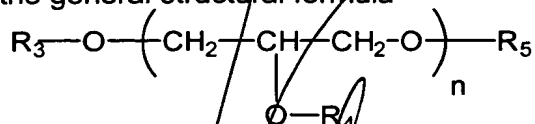
- b) one or more interface-active substances A, chosen from the group of glucose derivatives, which are characterized by the structural formula



- 5 where R is a branched or unbranched alkyl radical having from 1 to 24 carbon atoms, where R<sub>1</sub> is either a hydrogen atom or a branched or unbranched alkyl radical having from 1 to 24 carbon atoms, and where R<sub>2</sub> is either a hydrogen atom or a branched or unbranched acyl radical having from 1 to 24 carbon atoms,

and, if desired, furthermore comprising

- 10 (c) one or more interface-active substances B, chosen from the group of substances of the general structural formula



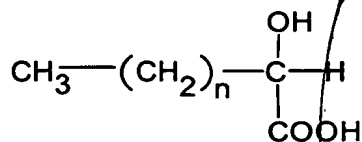
- 15 where R<sub>3</sub>, R<sub>4</sub> and R<sub>5</sub>, independently of one another, are chosen from the group which consists of: H, branched or unbranched, saturated or unsaturated fatty acid radicals having from 8 to 24 carbon atoms, in which up to three aliphatic hydrogen atoms can be substituted by hydroxyl groups, and n is a number from 2 to 8,

against blemished skin or acne.

- 20 2. Use according to Claim 1, characterized in that the α-hydroxy acids are chosen from the group consisting of α-hydroxy fatty acids, α-hydroxy sugar acids, aliphatic α-hydroxy fruit acids, unsubstituted aromatic α-hydroxycarboxylic acids, substituted aromatic α-hydroxycarboxylic acids.

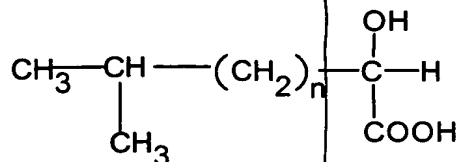
- 25 3. Use according to Claim 1, characterized in that the α-hydroxy acids are chosen from the group consisting of

- α-hydroxycarboxylic acids according to the formula



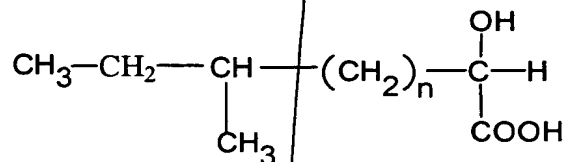
and/or

- $\alpha$ -hydroxy-isocarboxylic acids according to the formula



and/or

- $\alpha$ -hydroxy-anteisocarboxylic acids according to the formula



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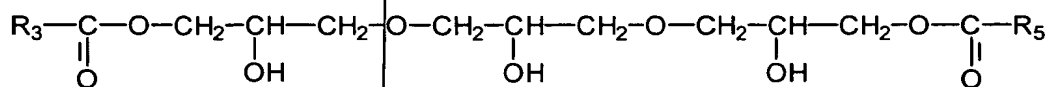
where n is in each case a number from 7 to 31, and

- aldonic acids, aldaric acids, uronic acids, glyceric acid, malic acid, lactic acid, acetic acid, citric acid.

- 10 4. Use according to Claim 1, characterized in that the  $\beta$ -hydroxycarboxylic acid chosen is salicylic acid.

- 15 5. Use according to Claim 1, characterized in that the interface-active substances A are chosen from the group consisting of methylglucose monostearate (A1), methylglucose distearate (A2), and any mixtures thereof.

- 20 6. Use according to Claim 1, characterized in that the interface-active substances B are chosen from the group of compounds in which n assumes the value 3, and  $R_3$ ,  $R_4$  and  $R_5$ , independently of one another, are chosen from the group which consists of: H, branched or unbranched, saturated or unsaturated fatty acid radicals having from 14 to 20 carbon atoms, in particular the structures listed below:



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(B1).

7. Use according to Claim 1, characterized in that the total amount of one or more interface-active substances A used according to the invention in the finished cosmetic or dermatological preparations is chosen from the range 0.1 – 25.0% by

weight, preferably 0.5 – 15.0% by weight, based on the total weight of the preparations.

- 5 8. Use according to Claim 1, characterized in that the total amount of one or more interface-active substances B used according to the invention in the finished cosmetic or dermatological preparations is chosen from the range 0.1 – 25.0% by weight, preferably 0.5 – 15.0% by weight, based on the total weight of the preparations.

- 10 9. Use according to Claim 1, characterized in that the interface-active substances A and B are present in weight ratios to one another of from 20:1 to 1:20, preferably from 10:1 to 1:10, particularly preferably from 5:1 to 1:5, very particularly preferably from 2:1 to 1:2.

add  
R3